

XX Novel urocortin II polypeptide or human urocortin-related peptide, for
 PT treatment of various diseases, including cardiovascular diseases, heart
 PT failure, stress, anxiety and low levels of adrenocorticotrophic hormone
 XX
 XX Claim 36, Fig 4b: 94pp; English.
 XX
 CC The invention relates to a modified protein selected from urocortin II
 CC (den II) and human urocortin-related peptide (URP). A pharmaceutical
 CC composition is useful for treating a pathophysiological state including
 CC high body temperature, appetite dysfunction, congestive heart failure,
 CC stress, anxiety and unduly low levels of adrenocorticotrophic
 CC hormone (ACTH) secretions. A modified protein conjugate is useful in
 CC destruction of corticotropin-releasing factor (CRF) receptor bearing
 CC cells. The present sequence is human URP.

XX Sequence 38 AA.

Query Match 80.5%; Score 161; DB 23; Length 38;

Best Local Similarity 94.7%; Pred. NO. 6, 8e-16; Indels 0; Gaps 0;

Matches 36; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 43

1 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 38

DB

RESULT 4

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CC The invention relates to a modified protein selected from urocortin II
 CC (den II) and human urocortin-related peptide (URP). A pharmaceutical
 CC composition is useful for treating a pathophysiological state including
 CC high body temperature, appetite dysfunction, congestive heart failure,
 CC stress, anxiety and unduly low levels of adrenocorticotrophic
 CC hormone (ACTH) secretions. A modified protein conjugate is useful in
 CC destruction of corticotropin-releasing factor (CRF) receptor bearing
 CC cells. The present sequence is mature human URP.

XX Sequence 41 AA.

Query Match 80.5%; Score 161; DB 23; Length 41;

Best Local Similarity 94.7%; Pred. NO. 6, 8e-16; Indels 0; Gaps 0;

Matches 36; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 43

1 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 38

DB

RESULT 5

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Query Match 80.5%; Score 133; DB 23; Length 112;

Best Local Similarity 94.7%; Pred. NO. 6, 8e-16; Indels 0; Gaps 0;

Matches 36; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 43

1 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 38

DB

RESULT 6

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Query Match 80.5%; Score 133; DB 23; Length 112;

Best Local Similarity 94.7%; Pred. NO. 6, 8e-16; Indels 0; Gaps 0;

Matches 36; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 43

1 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 38

DB

RESULT 7

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Query Match 80.5%; Score 133; DB 23; Length 112;

Best Local Similarity 94.7%; Pred. NO. 6, 8e-16; Indels 0; Gaps 0;

Matches 36; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 43

1 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 38

DB

RESULT 8

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Query Match 80.5%; Score 133; DB 23; Length 112;

Best Local Similarity 94.7%; Pred. NO. 6, 8e-16; Indels 0; Gaps 0;

Matches 36; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 43

1 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 38

DB

RESULT 9

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Query Match 80.5%; Score 133; DB 23; Length 112;

Best Local Similarity 94.7%; Pred. NO. 6, 8e-16; Indels 0; Gaps 0;

Matches 36; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 43

1 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 38

DB

RESULT 10

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Query Match 80.5%; Score 133; DB 23; Length 112;

Best Local Similarity 94.7%; Pred. NO. 6, 8e-16; Indels 0; Gaps 0;

Matches 36; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 43

1 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 38

DB

RESULT 11

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Query Match 80.5%; Score 133; DB 23; Length 112;

Best Local Similarity 94.7%; Pred. NO. 6, 8e-16; Indels 0; Gaps 0;

Matches 36; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 43

1 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 38

DB

RESULT 12

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Query Match 80.5%; Score 133; DB 23; Length 112;

Best Local Similarity 94.7%; Pred. NO. 6, 8e-16; Indels 0; Gaps 0;

Matches 36; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

6 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 43

1 TVSLDPTLLDILLDDNAPNAPARQNTNNATLAV 38

DB

RESULT 13

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high priority for the development of the country.

XN		06-JUL-1999	(first entry)
DJ	Mycobacterium species protein sequence I3C.		
DM	Secreter protein; Mycobacterium; primer; PCR; amplification; probe;		
XX	hybridization; detection; vaccine; immunisation; infection.		
XX	Mycobacterium sp.		
XX	W09090186-AZ.		
PD	25-FEB-1999.		
XX	14-AUG-1998.	98NO-FR01813.	
PF	11-SEP-1997.	GTFE-0011235.	
PR	14-MAY-1997.	J7FE-0010404.	
XX	(INSP) INST PASTER.		
XX	Gleaguel B., Lim EM, Pelletier V, Portnoi D, Cognet de la Salmoniere Y,		
PI	Guipouen A.		
XX	NPFI_1999-18100515.		
DR	N-PF01; ANX3A113.		
XX	MycoBacterial DNA vectors containing reporter constructs - for		
PT	infectious cloning or promoter sequences involved in		
PT	infection associated protein expression		
XX	Claim 32, F19 19C; 109pp; French.		
PS	Sequence AA047423-470400 and AA072014-707204 represent secreted		
CC	proteins from various Mycobacterium		
CC	encoding nucleotide sequences can be used as primers and probes for		
CC	the purpose of detecting and identifying mycobacteria, especially belonging		
CC	vaccines for immunisation against a bacterial or viral infection.		
SQ	Sequence 126 AA).		
	Query Match	14.0% Score 80.5; DB 20; Length 126;	
	Blast Local Similarity	17.1%; Pred. NO 1.9;	
	Matches 29; Conservative 5; Mismatches 44; Indels 29; Gaps 2		
Oy	2 TRICLLAVLVVAGVLVVYVPPIPGDAKSGSCGTPFAASSRAATYPAAASGI 61 :::		
Db	44 TCHCAIVL-----DKRSISPLSKPKKKXPMPAPPAIPRGKNSRT 84 		
Oy	62 CSPRRRCGRYSLSLPIDGLILDDGAARAAADGTNNALAIR 108 		
DB	85 ASAHIRIKVAHMLPP-----TTPAAVAHFITGGCKPV 121		
RESULT 14			
AU052489	AU052489 standard; Protein; 543 AA.		
AC	AU052489:	-	
XX	27-FEB-2002 (first entry)		
DJ	Propionibacterium acnes immunogenic protein #139S.		
DE	SAPHO syndrome; spondylitis; acne; pustulosis; hyperostosis; osteomyelitis;		
KM	inflammatoinflammation; bone; joint; central nervous system; Etilia;		
KM	dermatological; osteophtic; neuropodecent.		
XX	Protonibacterium acnes.		
XN	WO200181581-A2.		

CC The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic form directly from MRO
CC at ftp.wipo.int/pub/published_pat_sequences.

90 Sequence 111 AA:

Query Match 15 3%; Score 93.5; DB 22; Length 111;
Matches 27; Conservative 14; Mismatches 40; Indels 11; Gaps 2;

07 7 LILVLMGRLVYVP-----VPPPPQLRNSMSPQTPPPA-----SSSPAPAPAP 55

15 LKLEKLELLELLLELPVYVLPVPPAPAMAPAPAPAPAPAPAPAPAPAPAPAPAPAP 74

56 MAQSCISPTFHRSKSTISLSDVFGQLLTL 87

75 APPADAP 106

RESULT 8
AAAF593
ID AAF593 standard; Protein: 532 AA.

AAAF593;

25-JUL-2000 (first entry)

Amino acid sequence of a human atretin polypeptide.

Human; atretin; growth factor; neurotrophic factor; trophic support;
superior, trigeminal ganglion neuron; nodose ganglion; Alzheimer's disease;
peripheral neuropathy; amyotrophic lateral sclerosis; acute brain injury;
Parkinson's disease; Huntington's disease; acute brain injury;
multiple sclerosis; nervous system tumor; blastoma; injury;
Parkinson's disease; small cell lung carcinoma.

Human saplens.

Key Location/Qualifiers

Misc-difference 536 /note="encoded by CC"

MO20001879-AL.

06-APR-2000.

29-SEP-1999; 99MO-US22604.

29-SEP-1998; 98MO-0162823.

12-NOV-1998; 98MO-0162823.

22-DEC-1998; 98MO-0218696.

(UNIK) UNIV MASHINGTON.

MILbrandt JD, Baloh RH;

NF-PSDB; AA1255L.

Isolated atretin growth factor protein and the nucleic acid that
encodes it, useful for treating a range of degenerative neuronal
disorders such as Parkinson's disease and Huntington's disease.

Disclosure: Fig 1A-C; 99P: English.

The present sequence represents a human atretin growth factor protein,
Atretin, is a neurotrophic factor that binds to and activates the
neurotrophin receptor (p75^{NTR}), maintains mature phenotype and
provides trophic support for the survival of trigeminal ganglion neurons, nodose

CC ganglion neurons, superior cervical ganglion neurons and tyrosine-
CC hydroxylase-expressing dopaminergic ventral midline neurons.
CC Is the only member of the GDNF family that binds to GFR- α 3 (GFR- α 3)
CC Tyrosine kinase (GFR- α 3) and activates the GFR- α 3/RET protein-
CC tyrosine kinase receptor complex. Atretin also binds to and activates
CC neurotrophin, atretin also binds to and activates the GDNF and
CC polypeptides and polypeptides are administered to treat peripheral
CC Parkinson's disease, Huntington's disease, Alzheimer's disease,
CC injury, acute spinal cord injury, a nervous system tumor, blastoma,
CC (disease), multiple sclerosis, infection or enteric disease (e.g.,
CC disease, spinal cord injury) or a condition associated with Parkinson's
CC also be used to treat a patient suffering from small cell lung carcinoma.

Sequence 532 AA:

Query Match 15 3%; Score 88.5; DB 21; Length 532;
Matches 25; Conservative 10; Mismatches 23; Indels 23; Gaps 4;

07 11 VLKMGRLVYVP-----VPPPPQLRNSMSPQTPPPA-----SSSPAPAPAP 51

160 LKLEKLELLELLLELPVYVLPVPPAPAMAPAPAPAPAPAPAPAPAPAPAPAPAPAP 111

52 PTPP-----MAQSCISPTFHRSKSTISLSDVFGQLLTL 69

220 PLSSGSLNSLSDVFGQLLTL 239

RESULT 9
AAAZ2392
ID AAZ2392 standard; Protein: 124 AA.

AAAZ2392;

07-OCT-1997 (first entry)

Human; precursor urocoitin.

Human; precursor urocoitin; corticotropin releasing factor receptor;
adenocorticotrophic hormone; ACTH; affinity; rat; ovine; carp; urochordin;

Human saplens.

Key

Location/Qualifiers

Misc-difference 8 /note="mature urocoitin"

MO9700063-42.

03-JAN-1997.

12-JUN-1996; 96MO-US10240.

11-AUG-1995; 95MO-0002223.

11-JUN-1995; 95MO-0490314.

(SALK) SALK INST BIOLOGICAL STUDIES.

Donaldson CJ, Lewis KA, Pettit MR, Rivier JF, Sawchenko P;

Wade MR, Vaughan J;

NF-PSDB; AAT7342.

urocortin peptides) related to urochordin and

urocortin peptide-releasing factor. For example, the peptide
beta-endorphin levels, lowering blood pressure and improving mood.

memory and learning performance

Claim 4: Page 82; 91P: English.

Claim 36, Fig 4b; 94pp; English.

GenCore Version 5.1.4-p5.4578
Copyright (c) 1993 - 2003 Comugen Ltd.

OM protein - protein search, using sw model

Run on: March 21, 2003, 11:55:50, Search time 16.9677 seconds

Sequence: US-09-682-706-2

1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112

Scoring table: BLOSUM62

Gap: 10.0, Gapext 0.5

Total number of hits satisfying chosen parameters: 908470

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing files: 45 summaries

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45: /SI01/gcdata/geneep/emb1/AA2024.DMT*

SUMMARIES

Result

No.	Score	Match	Length	DB	ID	Description
1	577	100.0	112	23	AA015170	Human stresscopin
2	577	100.0	112	23	AA015170	Human stresscopin
3	512	94.1	112	23	AA015170	Human stresscopin
4	512	94.1	112	23	AA015170	Human stresscopin
5	173	30.0	36	23	AA015170	Human stresscopin
6	96.5	16.7	161	23	AA015170	Human stresscopin
7	93.5	16.2	111	23	AA015170	Human stresscopin
8	89.5	15.0	111	23	AA015170	Human stresscopin
9	81.0	14.0	124	21	AA015170	Human stresscopin
10	81.0	14.0	124	21	AA015170	Human stresscopin

11	81.0	14.0	774	22	AB064148	Drosophila melanogaster
12	80.5	14.0	113	20	AA015170	Human stresscopin
13	80.5	14.0	543	22	AA015170	Human stresscopin
14	80.5	14.0	543	22	AA015170	Human stresscopin
15	80.5	14.0	543	22	AA015170	Human stresscopin
16	79.5	13.9	637	22	AB064148	Drosophila melanogaster
17	79.5	13.9	637	22	AB064148	Drosophila melanogaster
18	78.5	13.6	266	17	AA005566	Myobacterium tuberculosis
19	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
20	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
21	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
22	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
23	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
24	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
25	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
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27	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
28	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
29	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
30	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
31	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
32	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
33	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
34	78.5	13.6	325	21	AA005566	Myobacterium tuberculosis
35	77.5	13.4	113	22	AB024209	Human stresscopin
36	77.5	13.4	113	22	AB024209	Human stresscopin
37	77.5	13.4	113	22	AB024209	Human stresscopin
38	77.5	13.4	113	22	AB024209	Human stresscopin
39	77.5	13.4	113	22	AB024209	Human stresscopin
40	77.5	13.4	113	22	AB024209	Human stresscopin
41	77.5	13.4	113	22	AB024209	Human stresscopin
42	77.5	13.4	113	22	AB024209	Human stresscopin
43	77.5	13.4	113	22	AB024209	Human stresscopin
44	77.5	13.4	113	22	AB024209	Human stresscopin
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ALIGNMENTS

RESULT 1

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.

AA015170: 1: MFCALLALVGMARLV.....AAAEADTMAALVAGHC 112 AA.


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1 APPLICANT: Lewis, Kathy Ann
2 APPLICANT: Reyes, Teresa Marie
3 APPLICANT: Stachenko, Paul Bill
4 APPLICANT: Vaughan, Joan Maureen
5 APPLICANT: Rivler, Jean Edward Frederic
6 TITLE OF INVENTION: Urocoitin Proteins and Uses Thereof
7 FILE REFERENCE: D6334
8 CURRENT APPLICATION NUMBER: US/09/919,473
9 PRIOR APPLICATION NUMBER: US 60/273,969
10 PRIOR FILING DATE: 2001-03-07
11 NUMBER OF SEQ ID NOS: 13
12 SEQ LENGTH: 112
13 TYPE: PAT
14 ORGANISM: Homo sapiens
15 OTHER INFORMATION: Human urocoitin-related peptide (thrp)
16 OTHER INFORMATION: precursor peptide
17 US-09-919-473-2
18
19 Query Match
20 Best Local Similarity 100.0%; Score 577; DB 10; Length 112;
21 Mismatches 0; Gaps 0;
22 Matches 112; Conservative 0; Identities 0;
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24 1 MTRCALLELMLDGLGVVWPPVPTQLRQNSOTTPRPAESPSAATPMMAAS 60
25 61 HCSPTBHCSSIVLSLDPVPGILQLLEDAARAAARQATNARIARVHC 112
26 61 RSTPRHCSSIVLSLDPVPGILQLLEDAARAAARQATNARIARVHC 112

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← Yes present

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1 APPLICANT: Lewis, Kathy Ann
2 APPLICANT: Reyes, Teresa Marie
3 APPLICANT: Stachenko, Paul Bill
4 APPLICANT: Vaughan, Joan Maureen
5 APPLICANT: Rivler, Jean Edward Frederic
6 TITLE OF INVENTION: Urocoitin Proteins and Uses Thereof
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8 CURRENT APPLICATION NUMBER: US/09/919,473
9 PRIOR APPLICATION NUMBER: US 60/273,969
10 PRIOR FILING DATE: 2001-03-07
11 NUMBER OF SEQ ID NOS: 13
12 SEQ ID NO 10
13 TYPE: PAT
14 ORGANISM: Homo sapiens
15 OTHER INFORMATION: Mouse urocoitin II precursor peptide
16 US-09-919-473-10
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18 Query Match
19 Best Local Similarity 54.1%; Score 312; DB 10; Length 112;
20 Mismatches 57; Gaps 0;
21 Matches 67; Conservative 1%; Mismatches 28; Identities 0;
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24 61 HCSPTBHCSSIVLSLDPVPGILQLLEDAARAAARQATNARIARVHC 110

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1 DB 61 NKASPTLDTWTVLSLDPVPGILQLLEDAARAAARQATNARIARVHC 110
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3 RESULT 4
4 Sequence 3: Application US/09919473
5 Patent No. US20020127221A1
6
7 GENERAL INFORMATION:
8 APPLICANT: Lewis, Kathy Ann
9 APPLICANT: Reyes, Teresa Marie
10 APPLICANT: Stachenko, Paul Bill
11 APPLICANT: Vaughan, Joan Maureen
12 APPLICANT: Rivler, Jean Edward Frederic
13 TITLE OF INVENTION: Urocoitin Proteins and Uses Thereof
14 FILE REFERENCE: D6334
15 CURRENT APPLICATION NUMBER: US/09/919,473
16 PRIOR APPLICATION NUMBER: US 60/273,969
17 PRIOR FILING DATE: 2001-03-07
18 NUMBER OF SEQ ID NOS: 13
19 SEQ ID NO 3
20 TYPE: PAT
21 ORGANISM: Homo sapiens
22 OTHER INFORMATION: Human urocoitin-related peptide (thrp)
23 US-09-919-473-3
24
25 Query Match
26 Best Local Similarity 100.0%; Score 156; DB 10; Length 41;
27 Mismatches 0; Gaps 0;
28 Matches 41; Conservative 0; Mismatches 0; Identities 0;
29
30 1 IVSLDVPVPGILQLLEDAARAAARQATNARIARVHC 112
31 72 IVSLDVPVPGILQLLEDAARAAARQATNARIARVHC 112

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1 DB 72 IVSLDVPVPGILQLLEDAARAAARQATNARIARVHC 112
2
3 RESULT 5
4 Sequence 3: Application US/09919473
5 Patent No. US20020127221A1
6
7 GENERAL INFORMATION:
8 APPLICANT: Lewis, Kathy Ann
9 APPLICANT: Reyes, Teresa Marie
10 APPLICANT: Stachenko, Paul Bill
11 APPLICANT: Vaughan, Joan Maureen
12 APPLICANT: Rivler, Jean Edward Frederic
13 TITLE OF INVENTION: Urocoitin Proteins and Uses Thereof
14 FILE REFERENCE: D6334
15 CURRENT APPLICATION NUMBER: US/09/919,473
16 PRIOR APPLICATION NUMBER: US 60/273,969
17 PRIOR FILING DATE: 2001-03-07
18 NUMBER OF SEQ ID NOS: 13
19 SEQ ID NO 3
20 TYPE: PAT
21 ORGANISM: Homo sapiens
22 OTHER INFORMATION: Mouse urocoitin II precursor peptide
23 US-09-919-473-10
24
25 Query Match
26 Best Local Similarity 95.1%; Score 109; DB 10; Length 13;
27 Mismatches 4; Gaps 0;
28 Matches 9; Conservative 1%; Mismatches 11; Identities 0;
29
30 1 HCSPTBHCSSIVLSLDPVPGILQLLEDAARAAARQATNARIARVHC 110
31 67 HCSPTBHCSSIVLSLDPVPGILQLLEDAARAAARQATNARIARVHC 109

```

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RESULT 6
US-09-766-8
Sequence 8, Application US/10099766
Publication No. US20030305507A1
GENERAL INFORMATION:
APPLICANT: Lewis, Kathy
APPLICANT: Maryellen H. Perlin
APPLICANT: Jean E. Rivier
APPLICANT: Joseph G. Kunkelake
APPLICANT: Joseph G. Kunkelake
TITLE OF INVENTION: Ureocortin II and Uses Thereof
FILE REFERENCE: D6390
CURRENT FILING DATE: 2002-03-15
PRIOR FILING DATE: 2001-03-15
SEQUENCE ID NO: 8
SEQ ID NO: 17
LENGTH: 38
TYPE: PPT
ORGANISM: Homo sapiens
FEATURES:
OTHER INFORMATION: Human Ureocortin II
US-10-099-766-8

Query Match
Best Local Similarity 30.0%; Score 173; DB 9; Length 38;
Best Local Similarity 100.0%; Pred. No. 1,4e-09;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 1 IVSLDVPFGIGLILLEQAAABAABEATNTMARLAV 109
|||||

```

```

RESULT 8
US-10-099-766-9
Sequence 9, Application US/10099766
Publication No. US20030305507A1
GENERAL INFORMATION:
APPLICANT: Lewis, Kathy
APPLICANT: Maryellen H. Perlin
APPLICANT: Jean E. Rivier
APPLICANT: Joseph G. Kunkelake
APPLICANT: Joseph G. Kunkelake
TITLE OF INVENTION: Ureocortin II and Uses Thereof
FILE REFERENCE: D6390
CURRENT FILING DATE: 2002-03-15
PRIOR FILING DATE: 2001-03-15
SEQUENCE ID NO: 9
SEQ ID NO: 17
LENGTH: 38
TYPE: PPT
ORGANISM: Mus musculus
FEATURES:
OTHER INFORMATION: Mouse Ureocortin II (mUcn II)
US-10-099-766-9

Query Match
Best Local Similarity 24.1%; Score 139; DB 9; Length 38;
Best Local Similarity 76.3%; Pred. No. 1,4e-06;
Matches 29; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

DB 72 IVSLDVPFGIGLILLEQAAABAABEATNTMARLAV 109
|||||

```

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US-09-682-706-15
US-09-682-706-15
Patent No. US20020082409A1
GENERAL INFORMATION:
APPLICANT: Bau, Shao-Yu
TITLE OR INVENTION: Strepococcus and their ses
FILE REFERENCE: STAN210
CURRENT APPLICATION NUMBER: US/09/682,706
PRIORITY APPLICATION NUMBER: 60/276,619
PRIOR FILING DATE: 2001-03-15
PRIOR APPLICATION NUMBER: 60/244,128
NUMBER OF SEQ IDS NOS: 15
SOFTWARE: FASTSD for Windows Version 4.0
SEQ ID NO: 15
SEQUENCE:
type: PRT
ORGANISM: Takifugu rubripes
US-09-682-706-15
Query Match 16.5% Score 95 DB 10: Length 40:
Best Local Similarity 45.0% Pred. No. 0.016:
Matches 16: Conservative 10: Mismatches 12: Indels 0: Caps 0
Qy 70 SRVLSLDPYPCGLQTLLEDRARARARQATNRLARY 109
1 SRVLSLDPYPCGLQTLLEDRARARARQATNRLARY 40
DB

RESULT 13
US-10-099-766-4
US-10-099-766-4
Publication No. US20030036507A1
GENERAL INFORMATION:
APPLICANT: Lewis, Kathy
TITLE OR INVENTION:
APPLICANT: Neilwyn H. Perrin
APPLICANT: Jean E. Rylander
APPLICANT: Kolch S. Kunkake
TITLE OR INVENTION: urococtin III and Uses Thereof
FILE REFERENCE: D6390
CURRENT APPLICATION NUMBER: US/10/099,766
PRIORITY APPLICATION NUMBER: 60/276,069
PRIOR FILING DATE: 2001-03-15
NUMBER OF SEQ ID NOS: 17
SEQ ID NO: 164
SEQUENCE:
type: PRT
ORGANISM: Mus musculus
TITLE OR INVENTION: Mouse urococtin III precursor
US-10-099-766-4
Query Match 15.4% Score 89 DB 9: Length 164:
Best Local Similarity 36.2% Pred. No. 0.265:
Matches 17: Conservative 12: Mismatches 0: Caps 0
Qy 64 PTHRSQSRVSLDVPGLQTLLEDRARARARQATNRLARY 110
115 PTHRSQSRVSLDVPGLQTLLEDRARARARQATNRLARY 161
DB

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1 CURRENT FILING DATE: 2001-10-09
2 PRIOR FILING DATE: 2001-03-15
3 PRIOR APPLICATION NUMBER: 60/744,128
4 NUMBER OF SEQ IDS NOS: 10
5 SOFTWARE: FASTSO for Windows Version 4.0
6 SEQ ID NO 2
7 SEQ ID NO 2
8 TYPE: PRT
9 ORGANISM: Homo sapiens
10 OTHER INFORMATION: human urocorlin-related peptide (hURP)
11 US-09-682-706-2
12
13 Query Match
14 Best Local Similarity 95.5%: Score 191: DB 10: Length 112:
15 Matches 41: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
16
17 Oy
18 1 HPSHVSISLDPVIGLQILLLEDRNRARAEQNTNARIAY 43
19 DB 67 HPSHVSISLDPVIGLQILLLEDRNRARAEQNTNARIAY 109
20
21 RESULT 3
22 US-09-919-473-2
23 Sequence 3: Application US/09919473
24 Patent No. US000201722AN
25 GENERAL INFORMATION:
26 APPLICANT: Vale, Wylie Walker Jr.
27 APPLICANT: Reeves, Teresa Marie
28 APPLICANT: Sacchenko, John Beem
29 APPLICANT: Sacchenko, Paul Emil
30 APPLICANT: Rivier, Jean Edward Frederic
31 APPLICANT: Perrin, Marilyn Helier
32 FILE REFERENCE: 0633
33 CURRENT FILING DATE: 2001-07-31
34 CURRENT APPLICATION NUMBER: US/09/919 473
35 PRIOR FILING DATE: 2001-03-07
36 NUMBER OF SEQ ID NOS: 13
37 SEQ ID NO 2
38 SEQ ID NO 2
39 TYPE: PRT
40 ORGANISM: Homo sapiens
41 OTHER INFORMATION: human urocorlin-related peptide (hURP)
42 OTHER INFORMATION: predicted peptide
43 US-09-919-473-2
44
45 Query Match
46 Best Local Similarity 95.5%: Score 181: DB 10: Length 112:
47 Matches 41: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
48
49 Oy
50 1 HPSHVSISLDPVIGLQILLLEDRNRARAEQNTNARIAY 43
51 DB 67 HPSHVSISLDPVIGLQILLLEDRNRARAEQNTNARIAY 109
52
53 RESULT 4
54 US-10-099-766-8
55 Sequence 8: Application US/10099766
56 Patent No. US00006507AN
57 GENERAL INFORMATION:
58 APPLICANT: Lewis, Kathy
59 APPLICANT: Vale, Wylie Walker Jr.
60 APPLICANT: Reeves, Teresa Marie
61 APPLICANT: Sacchenko, John Beem
62 APPLICANT: Rivier, Jean Edward Frederic
63 APPLICANT: Perrin, Marilyn Helier
64 FILE REFERENCE: 0630
65 CURRENT FILING DATE: 2001-07-31
66 CURRENT APPLICATION NUMBER: US/09/919 473
67 PRIOR FILING DATE: 2001-03-07
68 NUMBER OF SEQ ID NOS: 13
69 SEQ ID NO 2
70 SEQ ID NO 2
71 TYPE: PRT
72 ORGANISM: Homo sapiens
73 OTHER INFORMATION: human urocorlin-related peptide (hURP)
74 OTHER INFORMATION: predicted peptide
75 US-09-919-473-2
76
77 Query Match
78 Best Local Similarity 95.5%: Score 181: DB 10: Length 112:
79 Matches 41: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
80
81 Oy
82 1 HPSHVSISLDPVIGLQILLLEDRNRARAEQNTNARIAY 43
83 DB 67 HPSHVSISLDPVIGLQILLLEDRNRARAEQNTNARIAY 109
84
85 RESULT 5
86 US-09-919-473-4
87 Sequence 4: Application US/09919473
88 Patent No. US000201722AN
89 GENERAL INFORMATION:
90 APPLICANT: Vale, Wylie Walker Jr.
91 APPLICANT: Reeves, Teresa Marie
92 APPLICANT: Sacchenko, John Beem
93 APPLICANT: Sacchenko, Paul Emil
94 APPLICANT: Rivier, Jean Edward Frederic
95 APPLICANT: Perrin, Marilyn Helier
96 FILE REFERENCE: 0631
97 CURRENT FILING DATE: 2001-07-31
98 CURRENT APPLICATION NUMBER: US/09/919 473
99 PRIOR FILING DATE: 2001-03-07
100 NUMBER OF SEQ ID NOS: 13
101 SEQ ID NO 4
102 SEQ ID NO 4
103 TYPE: PRT
104 ORGANISM: Homo sapiens
105 OTHER INFORMATION: human urocorlin-related peptide (hURP)
106 OTHER INFORMATION: predicted peptide
107 US-09-919-473-4
108
109 Query Match
110 Best Local Similarity 94.7%: Score 161: DB 9: Length 38:
111 Matches 36: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
112
113 Oy
114 6 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 43
115 DB 1 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 38
116
117 RESULT 6
118 US-09-919-473-3
119 Sequence 3: Application US/09919473
120 Patent No. US000201722AN
121 GENERAL INFORMATION:
122 APPLICANT: Vale, Wylie Walker Jr.
123 APPLICANT: Reeves, Teresa Marie
124 APPLICANT: Sacchenko, John Beem
125 APPLICANT: Sacchenko, Paul Emil
126 APPLICANT: Rivier, Jean Edward Frederic
127 APPLICANT: Perrin, Marilyn Helier
128 FILE REFERENCE: 0630
129 CURRENT FILING DATE: 2001-07-31
130 CURRENT APPLICATION NUMBER: US/09/919 473
131 PRIOR FILING DATE: 2001-03-07
132 NUMBER OF SEQ ID NOS: 13
133 SEQ ID NO 2
134 SEQ ID NO 2
135 TYPE: PRT
136 ORGANISM: Homo sapiens
137 OTHER INFORMATION: human urocorlin-related peptide (hURP)
138 OTHER INFORMATION: predicted peptide
139 US-10-099-766-8
140
141 Query Match
142 Best Local Similarity 94.7%: Score 161: DB 9: Length 38:
143 Matches 36: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
144
145 Oy
146 6 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 43
147 DB 1 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 38
148
149 RESULT 7
150 US-09-919-473-1
151 Sequence 1: Application US/09919473
152 Patent No. US000201722AN
153 GENERAL INFORMATION:
154 APPLICANT: Vale, Wylie Walker Jr.
155 APPLICANT: Reeves, Teresa Marie
156 APPLICANT: Sacchenko, John Beem
157 APPLICANT: Sacchenko, Paul Emil
158 APPLICANT: Rivier, Jean Edward Frederic
159 APPLICANT: Perrin, Marilyn Helier
160 FILE REFERENCE: 0630
161 CURRENT FILING DATE: 2001-07-31
162 CURRENT APPLICATION NUMBER: US/09/919 473
163 PRIOR FILING DATE: 2001-03-07
164 NUMBER OF SEQ ID NOS: 13
165 SEQ ID NO 2
166 SEQ ID NO 2
167 TYPE: PRT
168 ORGANISM: Homo sapiens
169 OTHER INFORMATION: human urocorlin-related peptide (hURP)
170 OTHER INFORMATION: predicted peptide
171 US-09-919-473-1
172
173 Query Match
174 Best Local Similarity 94.7%: Score 161: DB 9: Length 38:
175 Matches 36: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
176
177 Oy
178 6 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 43
179 DB 1 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 38
180
181 RESULT 8
182 US-09-919-473-5
183 Sequence 5: Application US/09919473
184 Patent No. US000201722AN
185 GENERAL INFORMATION:
186 APPLICANT: Vale, Wylie Walker Jr.
187 APPLICANT: Reeves, Teresa Marie
188 APPLICANT: Sacchenko, John Beem
189 APPLICANT: Sacchenko, Paul Emil
190 APPLICANT: Rivier, Jean Edward Frederic
191 APPLICANT: Perrin, Marilyn Helier
192 FILE REFERENCE: 0631
193 CURRENT FILING DATE: 2001-07-31
194 CURRENT APPLICATION NUMBER: US/09/919 473
195 PRIOR FILING DATE: 2001-03-07
196 NUMBER OF SEQ ID NOS: 13
197 SEQ ID NO 2
198 SEQ ID NO 2
199 TYPE: PRT
200 ORGANISM: Homo sapiens
201 OTHER INFORMATION: human urocorlin-related peptide (hURP)
202 OTHER INFORMATION: predicted peptide
203 US-09-919-473-5
204
205 Query Match
206 Best Local Similarity 94.7%: Score 161: DB 9: Length 38:
207 Matches 36: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
208
209 Oy
210 6 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 43
211 DB 1 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 38
212
213 RESULT 9
214 US-09-919-473-6
215 Sequence 6: Application US/09919473
216 Patent No. US000201722AN
217 GENERAL INFORMATION:
218 APPLICANT: Vale, Wylie Walker Jr.
219 APPLICANT: Reeves, Teresa Marie
220 APPLICANT: Sacchenko, John Beem
221 APPLICANT: Sacchenko, Paul Emil
222 APPLICANT: Rivier, Jean Edward Frederic
223 APPLICANT: Perrin, Marilyn Helier
224 FILE REFERENCE: 0631
225 CURRENT FILING DATE: 2001-07-31
226 CURRENT APPLICATION NUMBER: US/09/919 473
227 PRIOR FILING DATE: 2001-03-07
228 NUMBER OF SEQ ID NOS: 13
229 SEQ ID NO 2
230 SEQ ID NO 2
231 TYPE: PRT
232 ORGANISM: Homo sapiens
233 OTHER INFORMATION: human urocorlin-related peptide (hURP)
234 OTHER INFORMATION: predicted peptide
235 US-09-919-473-6
236
237 Query Match
238 Best Local Similarity 94.7%: Score 161: DB 9: Length 38:
239 Matches 36: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
240
241 Oy
242 6 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 43
243 DB 1 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 38
244
245 RESULT 10
246 US-09-919-473-7
247 Sequence 7: Application US/09919473
248 Patent No. US000201722AN
249 GENERAL INFORMATION:
250 APPLICANT: Vale, Wylie Walker Jr.
251 APPLICANT: Reeves, Teresa Marie
252 APPLICANT: Sacchenko, John Beem
253 APPLICANT: Sacchenko, Paul Emil
254 APPLICANT: Rivier, Jean Edward Frederic
255 APPLICANT: Perrin, Marilyn Helier
256 FILE REFERENCE: 0631
257 CURRENT FILING DATE: 2001-07-31
258 CURRENT APPLICATION NUMBER: US/09/919 473
259 PRIOR FILING DATE: 2001-03-07
260 NUMBER OF SEQ ID NOS: 13
261 SEQ ID NO 2
262 SEQ ID NO 2
263 TYPE: PRT
264 ORGANISM: Homo sapiens
265 OTHER INFORMATION: human urocorlin-related peptide (hURP)
266 OTHER INFORMATION: predicted peptide
267 US-09-919-473-7
268
269 Query Match
270 Best Local Similarity 94.7%: Score 161: DB 9: Length 38:
271 Matches 36: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
272
273 Oy
274 6 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 43
275 DB 1 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 38
276
277 RESULT 11
278 US-09-919-473-8
279 Sequence 8: Application US/09919473
280 Patent No. US000201722AN
281 GENERAL INFORMATION:
282 APPLICANT: Vale, Wylie Walker Jr.
283 APPLICANT: Reeves, Teresa Marie
284 APPLICANT: Sacchenko, John Beem
285 APPLICANT: Sacchenko, Paul Emil
286 APPLICANT: Rivier, Jean Edward Frederic
287 APPLICANT: Perrin, Marilyn Helier
288 FILE REFERENCE: 0631
289 CURRENT FILING DATE: 2001-07-31
290 CURRENT APPLICATION NUMBER: US/09/919 473
291 PRIOR FILING DATE: 2001-03-07
292 NUMBER OF SEQ ID NOS: 13
293 SEQ ID NO 2
294 SEQ ID NO 2
295 TYPE: PRT
296 ORGANISM: Homo sapiens
297 OTHER INFORMATION: human urocorlin-related peptide (hURP)
298 OTHER INFORMATION: predicted peptide
299 US-09-919-473-8
300
301 Query Match
302 Best Local Similarity 94.7%: Score 161: DB 9: Length 38:
303 Matches 36: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
304
305 Oy
306 6 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 43
307 DB 1 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 38
308
309 RESULT 12
310 US-09-919-473-9
311 Sequence 9: Application US/09919473
312 Patent No. US000201722AN
313 GENERAL INFORMATION:
314 APPLICANT: Vale, Wylie Walker Jr.
315 APPLICANT: Reeves, Teresa Marie
316 APPLICANT: Sacchenko, John Beem
317 APPLICANT: Sacchenko, Paul Emil
318 APPLICANT: Rivier, Jean Edward Frederic
319 APPLICANT: Perrin, Marilyn Helier
320 FILE REFERENCE: 0631
321 CURRENT FILING DATE: 2001-07-31
322 CURRENT APPLICATION NUMBER: US/09/919 473
323 PRIOR FILING DATE: 2001-03-07
324 NUMBER OF SEQ ID NOS: 13
325 SEQ ID NO 2
326 SEQ ID NO 2
327 TYPE: PRT
328 ORGANISM: Homo sapiens
329 OTHER INFORMATION: human urocorlin-related peptide (hURP)
330 OTHER INFORMATION: predicted peptide
331 US-09-919-473-9
332
333 Query Match
334 Best Local Similarity 94.7%: Score 161: DB 9: Length 38:
335 Matches 36: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
336
337 Oy
338 6 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 43
339 DB 1 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 38
340
341 RESULT 13
342 US-09-919-473-10
343 Sequence 10: Application US/09919473
344 Patent No. US000201722AN
345 GENERAL INFORMATION:
346 APPLICANT: Vale, Wylie Walker Jr.
347 APPLICANT: Reeves, Teresa Marie
348 APPLICANT: Sacchenko, John Beem
349 APPLICANT: Sacchenko, Paul Emil
350 APPLICANT: Rivier, Jean Edward Frederic
351 APPLICANT: Perrin, Marilyn Helier
352 FILE REFERENCE: 0631
353 CURRENT FILING DATE: 2001-07-31
354 CURRENT APPLICATION NUMBER: US/09/919 473
355 PRIOR FILING DATE: 2001-03-07
356 NUMBER OF SEQ ID NOS: 13
357 SEQ ID NO 2
358 SEQ ID NO 2
359 TYPE: PRT
360 ORGANISM: Homo sapiens
361 OTHER INFORMATION: human urocorlin-related peptide (hURP)
362 OTHER INFORMATION: predicted peptide
363 US-09-919-473-10
364
365 Query Match
366 Best Local Similarity 94.7%: Score 161: DB 9: Length 38:
367 Matches 36: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
368
369 Oy
370 6 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 43
371 DB 1 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 38
372
373 RESULT 14
374 US-09-919-473-11
375 Sequence 11: Application US/09919473
376 Patent No. US000201722AN
377 GENERAL INFORMATION:
378 APPLICANT: Vale, Wylie Walker Jr.
379 APPLICANT: Reeves, Teresa Marie
380 APPLICANT: Sacchenko, John Beem
381 APPLICANT: Sacchenko, Paul Emil
382 APPLICANT: Rivier, Jean Edward Frederic
383 APPLICANT: Perrin, Marilyn Helier
384 FILE REFERENCE: 0631
385 CURRENT FILING DATE: 2001-07-31
386 CURRENT APPLICATION NUMBER: US/09/919 473
387 PRIOR FILING DATE: 2001-03-07
388 NUMBER OF SEQ ID NOS: 13
389 SEQ ID NO 2
390 SEQ ID NO 2
391 TYPE: PRT
392 ORGANISM: Homo sapiens
393 OTHER INFORMATION: human urocorlin-related peptide (hURP)
394 OTHER INFORMATION: predicted peptide
395 US-09-919-473-11
396
397 Query Match
398 Best Local Similarity 94.7%: Score 161: DB 9: Length 38:
399 Matches 36: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
400
401 Oy
402 6 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 43
403 DB 1 TVSLVPIGLQILLLEDRNRARAEQNTNARIAY 38
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APPLICANT: Pettit, Marilyn Heller
 TITLE OF INVENTION: Drosocortin Proteins and Uses Thereof
 CURRENT APPLICATION NUMBER: US/09/919,473
 CURRENT FILING DATE: 2001-07-31
 PRIOR APPLICATION NUMBER: US 60/273,969
 PRIOR FILING DATE: 2001-09-07
 NUMBER OF SEQ ID NOS: 13
 SEQ ID NO 3
 LENGTH: 11
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE: INFORMATION: Mouse Drosocortin-related peptide (mDRP)
 US-09-919-473-3

Query Match
 Best Local Similarity: 80.5%; Score 151; DB 10; Length 41;
 Matches: 36; Conservative: 1; Mismatches: 1; Indels: 0; Gaps: 0;
 0Y 6 IVISLDVYDGLDITLSDRAARARNDQTANILARY 43
 DB 1 IVISLDVYDGLDITLSDRAARARNDQTANILARY 38

RESULT 9
 US-09-919-473-10
 Sequence 11, Application US/09/919473
 Patent No. US2002012721A1
 GENERAL INFORMATION:
 APPLICANT: Vais, Billy Walker Jr.
 APPLICANT: Lewis, Kathy Ann
 APPLICANT: Reyes, Teresa Marie
 APPLICANT: Bogensch, John Brian
 APPLICANT: Vaughan, Joan Maureen
 APPLICANT: Rivier, Jean Edward Frederic
 APPLICANT: Pettit, Marilyn Heller
 TITLE OF INVENTION: Drosocortin Proteins and Uses Thereof
 FILE REFERENCE: D634
 CURRENT APPLICATION NUMBER: US/09/919,473
 CURRENT FILING DATE: 2001-07-31
 PRIOR APPLICATION NUMBER: US 60/273,969
 PRIOR FILING DATE: 2001-09-07
 NUMBER OF SEQ ID NOS: 13
 SEQ ID NO 3
 LENGTH: 11
 TYPE: PRT
 ORGANISM: Mus musculus
 FEATURE: INFORMATION: Mouse Drosocortin II precursor peptide
 US-09-919-473-10

Query Match
 Best Local Similarity: 65.5%; Score 133; DB 10; Length 112;
 Matches: 28; Conservative: 7; Mismatches: 5; Indels: 0; Gaps: 0;
 0Y 4 SRVIEEDVYDGLDITLSDRAARARNDQTANILARY 43
 DB 70 TRVIEEDVYDGLDITLSDRAARARNDQTANILARY 109

RESULT 8
 US-10-099-766-9
 Sequence 9, Application US/10099766
 Patent No. US2002008507A1
 GENERAL INFORMATION:
 APPLICANT: Lewis, Kathy
 APPLICANT: Male, Kelly
 APPLICANT: Rivier, Jean E.
 APPLICANT: Vaughan, Joan M.
 APPLICANT: Kolchil, S. Konlake
 APPLICANT: Jozsef, Gyulas

TITLE OF INVENTION: Drosocortin III and Uses Thereof
 CURRENT APPLICATION NUMBER: US/10/099,766
 CURRENT FILING DATE: 2002-03-15
 PRIOR APPLICATION NUMBER: US 60/276,069
 PRIOR FILING DATE: 2001-09-07
 NUMBER OF SEQ ID NOS: 17
 SEQ ID NO 9
 LENGTH: 38
 TYPE: PRT
 ORGANISM: Mus musculus
 FEATURE: INFORMATION: Mouse Drosocortin II (mDRP II)
 US-10-099-766-9

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 0Y 6 IVISLDVYDGLDITLSDRAARARNDQTANILARY 43
 DB 1 IVISLDVYDGLDITLSDRAARARNDQTANILARY 38

RESULT 9
 US-09-919-473-11
 Sequence 11, Application US/09/919473
 Patent No. US2002012721A1
 GENERAL INFORMATION:
 APPLICANT: Vais, Billy Walker Jr.
 APPLICANT: Lewis, Kathy Ann
 APPLICANT: Reyes, Teresa Marie
 APPLICANT: Bogensch, John Brian
 APPLICANT: Vaughan, Joan Maureen
 APPLICANT: Rivier, Jean Edward Frederic
 APPLICANT: Pettit, Marilyn Heller
 TITLE OF INVENTION: Drosocortin Proteins and Uses Thereof
 FILE REFERENCE: D634
 CURRENT APPLICATION NUMBER: US/09/919,473
 CURRENT FILING DATE: 2001-07-31
 PRIOR APPLICATION NUMBER: US 60/273,969
 PRIOR FILING DATE: 2001-09-07
 NUMBER OF SEQ ID NOS: 13
 SEQ ID NO 11
 LENGTH: 18
 TYPE: PRT
 ORGANISM: Mus musculus
 FEATURE: INFORMATION: Mouse Drosocortin II
 US-09-919-473-11

Query Match
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 Matches: 27; Conservative: 2; Mismatches: 5; Indels: 0; Gaps: 0;
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RESULT 10
 US-09-682-706-15
 Sequence 15, Application US/09682706
 Patent No. US20020082409A1
 GENERAL INFORMATION:
 APPLICANT: Hsu, Shau-Yu
 APPLICANT: Baugh, Aaron
 TITLE OF INVENTION: Drosocortins and their use
 CURRENT APPLICATION NUMBER: US/09/682,706
 CURRENT FILING DATE: 2001-10-09
 PRIOR APPLICATION NUMBER: 60/276,615

Tue Mar 25 08:25:24 2003

us-09-682-706-3.rapb

Page 5

ORGANISM: Homo sapiens
FEATURE:
SEQUENCE INFORMATION: Human uc00cort.111 Precursor
US-10-099-766-2
Query Match 36.04; Score 72; DB 9; Length 161;
Metabolic Similarity 35.04; Pred No. 0.0074;
Metabolic 14; Conservative 11; MisMatches 19; Indels 0; Gaps 0.
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DB 118 TKTSLDVPYIMILFVIAKAKMLRQQAANMLDNOI 157
US-09-682-706-5
SEQUENCE 15
Sequence 5, Application US/09682706
Patent No. US2002082409A1
GENERAL INFORMATION:
APPLICANT: Hsiao, Yau
APPLICANT: Hsiao, Yau
TITLE OF INVENTION: Stresscoplus and chair ses
TITLE REFERENCE: STAN210
CURRENT FILING DATE: 2001-10-09
CURRENT FILING DATE: 2001-10-09
PRIOR FILING DATE: 2001-03-10/244,128
PRIOR FILING DATE: 2001-03-10/244,128
PRIOR FILING DATE: 2000-10-26
NUMBER OF SEQ ID NOS: 15
SEQ ID NO: FeatSeq for Windows Version 4.0
LENGTH: 161
TYPE: PPT Homo sapiens
US-09-682-706-5
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Metabolic Similarity 35.04; Pred No. 0.0074;
Metabolic 14; Conservative 11; MisMatches 19; Indels 0; Gaps 0.
OY 4 SRVSLDVLGLLGLLEQARAAARQATFMAILAV 43
DB 118 TKTSLDVPYIMILFVIAKAKMLRQQAANMLDNOI 157
Search completed: March 21, 2003, 12:00:51
Job time : 6:55906 secb

GenCore version 5.1.4_p5_4578
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Run on:      March 21, 2003, 11:56:43 ; Search time 11.5613 Seconds
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[illegible]

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Maximum DB seq length: 2000000000
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Post-processing: Minimum Match On

Maximum	Match	10
Rating	Class	47

[illegible]

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

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		Score	Match	Length		
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	1	577	100.0	112	ICM2_HUMAN	
	2	314.5	54.5	109	ICM2_PAT	Q1641 rat
	3	312	54.1	112	ICM2_MOUSE	Q1641 rat
	4	312	54.1	112	ICM2_HUMAN	Q1641 rat
	5	89.5	15.5	132	ICM1_HUMAN	Q1645 homo sapiens
	6	89	15.4	132	ICM1_PAT	P55090 rat
	7	89	15.4	132	ICM1_MOUSE	P55090 rat
	8	89	15.4	134	ICM3_MOUSE	Q12488 homo sapiens
	9	81	14.0	137	ICM3_HUMAN	Q12488 homo sapiens
	10	79.5	13.8	140	ICM3_PAT	P01366 yeast
	11	78.9	13.7	140	TEBU_BMY	P13166 yeast
	12	78.9	13.7	140	ICM2_MOUSE	P13166 yeast
	13	78.9	13.7	140	ICM2_HUMAN	P13166 yeast
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	15	76	13.2	133	ICM1_MOUSE	Q05006 mouse
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	17	75.5	13.1	133	ICM1_MOUSE	Q05006 mouse
	18	75	13.0	128	MOD2_MOUSE	Q05006 mouse
	19	72	12.8	187	ICM2_MOUSE	Q05006 mouse
	20	72	12.8	187	ICM2_HUMAN	Q05006 mouse
	21	74	12.8	187	ICM2_MOUSE	Q05006 mouse
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DB InterPro: IP0000585; Hemopexin.
DB InterPro: IP0001638; Mucin-1n.
DB Pfam: PF00049; fad2_3.
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DB PRODOM: PD000935; FM_type_II_3.
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NR POSSITE: PF00024; HEMOPEXIN_1.
NR POSSITE: PF00544; CYSTEINE_SWITCH_1.
NM Hydroxylase Metalloprotease; Glycoprotein; Zinc; Zepgen; Signal.
KM Collagen degradation; Extracellular matrix; Regasin; Signal.
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FT CHAIN: 1 76
FT DOMAIN: 223 280
FT DOWNIN: 281 339
FT SITE: 513 707
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Db 449 P0PATTTPGCTAPETPAKTRVATRA----PSRRP 481

RESULT 13
MODCLOC ID MODC LOC STANDARD PERT 325 AA.

AC O30620; (not, 39, Created)
DT 30 MAY -2000 (rel. 39, 1999 update)
DR 30 MAY -2000 (rel. 39, 1999 update)
DE Molibdate uptake secreted protein precursor (ALA-His rich 15/47 kDa secreted protein) (immunogen protein MP022) (Antigen MPr 32) (45-kDa glycoprotein) (Fluorocytin attachment protein) (FA-P-B).
OS Mycobacterium bovis.
OC Bacteria; Actinobacteria; Actinobacteria (class); Actinomycetidae; Bacteriales; Corynebacteriaceae; Mycobacteriaceae; Mycobacterium (genus); Mycobacterium (species).
RN [1] _TAS1AD17693;
RP SEQUENCE FROM N.A.
RC STRAIN=HOG J.S., Long-Marsel M., Brown E.J., Ratliff T.L.;
RT "Identical sequence and characterization of the M. bovis BCG fibronectin attachment protein."
RL Submitted (Jul-1997) to the EMBL/GenBank/CCSD databases
CC -|- MODIFIED FOR MODPROB (BY SIMILARITY)
CC -|- MODIFIED FOR MODPROB (BY SIMILARITY)
CC -|- SIMILARITY: BELONGS TO THE MODC FAMILY.

GenCore version 5.1.4_p5_4578
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OM protein - protein search, using sw mode

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Run on: March 21, 2003, 11:57:47 ; Search time 39.7419 Seconds
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580.678 Million cell updates/sec

Title: US-09-682-706-2
Page# 577

sequence: 1 MTRCALLELLVLMGRVW.....RAREQATTNARILARVGH 11.

coring table: BLOSUM62

Searched: 671580 8000 706017116 FBI

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : SPTREMBL_21:*

SPTREMBL_21:*

2: sp_bacteria:★

4: sp_human:†

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6: sp_mammal: 0
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8: sp_organelle:•

10: sp_plant: *

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12: sp_virus:

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14: sp_unclassified

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16: sp_bacteriap: 0
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to preserve the

Query	Match Length DB	ID
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3	3	3
4	4	4
5	5	5
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17.8	151	13	0
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16.2	437	111	5	09
16.0	437	111	5	09

13.2	813	11	0
14.8	980	16	0

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARY

Result	No.	Score	Query	Match	Length	DB	ID	Description
	1	102.5	17.8	151	13	091825		O91825.1 <i>lignu rubri</i>
	2	99.5	16.6	437	17	091823		O91823.1 <i>pychocaulis</i>
	3	95.5	15.5	185	13	091824		O91824.1 <i>discoapina</i>
	4	87.5	14.2	213	13	091821		O91821.1 <i>discoapina</i>
	5	85.5	14.8	980	16	091825		O91825.1 <i>deinococcus</i>
	6	85	14.7	745	14	091805		O91805.1 <i>complex vita</i>
	7	85	14.5	145	12	091825		O91825.1 <i>chlamydia</i>
	8	83.5	14.5	195	15	091829		O91829.1 <i>oryctoideus</i>
	9	83	14.4	287	6	091764		O91764.1 <i>stereocory</i>
	10	83	14.4	287	6	091764		O91764.1 <i>stereocory</i>
	11	82	14.2	772	5	091825		O91825.1 <i>chlamydia</i>
	12	82	14.2	1066	5	091809		O91809.1 <i>glaucolus lineae</i>
	13	81.5	14.1	577	11	091820		O91820.1 <i>pychocaulis</i>
	14	81	14.0	577	11	091820		O91820.1 <i>pychocaulis</i>
	15	81	14.0	577	11	091820		O91820.1 <i>pychocaulis</i>
	16	81	14.0	1151	2	091825		O91825.1 <i>deinococcus</i>

[illegible]


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01 OX40 precursor (Fragment).
02 Oxytelodonta cinctulata (Rabbit).
03 Eukaryotes: Metazoa: Chordata: Chelonia: Vertebrata: Bivalvescomi:
04 Metazoa: Chordata: Chelonia: Vertebrata: Bivalvescomi:
05 NCTL_TaxID=9965.
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DE CG8991 protein.

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OC      Elaeagnaceae, Malvaceae, Arthropoda: Tracheata; Hexapoda; Insecta;
OC      Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OX      NCBI_taxid=7227?
RN      [1]
RP      SEQUENCE FROM N.A.
RA      Streptococcus faecalis
RA      Stapleton M., Chavez C., Dorsett V., Parton D., Flise E., George R.,
RA      Gonzalez M., Quarta H., Li P., Liao G., Miranda A., Murgall C.J.,
RA      Yu C., Lewis S.B., Rubin GM., Calixte S., Poulsenkong S., Kim K.,
RU      Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
DR      EMBL; AF038444; AAC11673.1.
SR      PROTEIN
SS      SEQUENCE 913 AA, 98199 MW, 999P9571IM03308C CRC64;

Query Match          14.0%; Score 81; DB 5; Length 813;
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Matches 18; Conservative 8; Mismatches 22; Indels 2; Gaps 1

Db      482 FISHWONGENKQGDCHQVPPFOLMRCPTNIPSTYRVPNSVPKMGH 571

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C.Date: 30-Sep-1993 #sequence_revision: 10-Sep-1993 #text_change: 11-Jan-2000
C.Accession: B64997.0 J
Mol. Bloomch. Database: 42, 133-154, 1990
A.Title: The epitope of a protective monoclonal antibody occurs in a region of microhepatitis virus surface antigen
A.Reference number: M45997; PMID:9104881; PMID:1700237
A.Status: preliminary nucleic acid sequence not shown; not compared with conceptual translation
A.Molecule type: DNA
A.Residues: 1-476 <END>
C.Superfamily: immunoglobulin surface antigen

Query Match
Best Local Similarity: 31.5% Score 70; nb 2; Length 476;
Matches 25; Conservative 14; Mismatches 43; Indels 6; Gaps 2;

OY 1 HTFALLLVKAGVLESLVWVPITPEPQLEAFSPQTTPRASSSNAPFMMAAS 60
Db 188 LKESLDELVLAKGVGIDIEEIVPAFPAPVAETNPFAIPFAETNPADBPDSLSLT 246
247 NNNPPNVS---LYENVDIOLNTTTH 259

RESULT 12
A12449
hypothetical protein A11513 [imported] - Neotoma sp. (strain PC 7120)
C.Species: Neotoma sp. strain PC 7120 Is a species of Neotoma spp. strain PC 7120
C.Date: 14-Dec-2001 #sequence_revision: 14-Dec-2001 #text_change: 30-Jun-2002
C.Accession: A12449
R.Renato, T., Nakamura, Y.; Noik, C.P.; Kutzitz, T.; Sasamoto, S.; Matsubara, A.; Itaguchi, D.; Ohtsuka, H.; Shimizu, K.; Sugimoto, K.; Takasawa, K.; Tanabe, M.; Tanaka, K.; Tabata, D.
DNA Res. 8: 405-411, 2001
A>Title: Complete Gene Sequence of the Filaeosomus Nitrogen-fixing Cyanobacterium Nankai-1
A.Reference number: AB01007; PMID:1179840
A.Molecule type: DNA
A.Status: preliminary
A.Residues: 1-499 <END>
C.Cross-references: NCBI:AB01007; PDB:BMR76632.1; PDB:1J14931; GSDB:GN00179
A.Source: Nankai-1 source: strain PC 7120
A.Genome: A11513

C.Superfamily: Synchrocystis hypothetical protein slr1624

Query Match
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Matches 17; Conservative 8; Mismatches 24; Indels 0; Gaps 0;

OY 20 VWPATPTPLDPONSPTTPPRASSSAPTPRMASSCSPTRRIP 68
Db 392 VTSPFLGPQVPIPSPTTPTEPQEVVTPASTPTTPTEPQEVVPIASP 440

RESULT 13
S58222
O-rich protein - human
C.Date: 13-Jan-1996 #sequence_revision: 01-Mar-1996 #text_change: 05-Nov-1999
C.Accession: S58222
R.Wagner, F.F.; Fliegel, M.A.
Biochemistry 35: 1005-1010, 1996
A.Description: a cDNA, which predicts a protein with 10-rich repeats, isolated from a p...
A.Reference number: S58222
A.Molecule type: mRNA
A.Residues: 1-400 <END>
C.Cross-references: EMBL:E50194; NID:9452639; PDB:1CAH90576.1; PTD:9429660

[illegible]

Tue Mar 25 08:25:20 2003

us-09-682-706-2.rpr

Page 5

Matches 27; Conservative 9; Mismatches 19; Indels 19; Gaps 5;

OY 6 LLLLMMLG-----RLVVRV-PIPTQLRQSSOTTREPAASSSAAATTM 56
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Db 4 LSLTVALGCVAPLAAQOVITPQPAK-PVAPAPVPPPSA--PAAMALFY 59
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OY 57 A-----AGRGSP 64
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Db 60 AAPAPVAGSTCAP 73
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Search completed: March 21, 2003, 11:59:48
Job time : 23.5097 secs

[illegible]


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1 TITLE OF INVENTION: AND FOR THE DETECTION OF TUBERCULOSIS
2 INVENTOR: ROBERT M. GILLES
3 CORRESPONDENCE ADDRESS:
4 ADDRESSER: OHLON, SPTVA, MCLELLAND, MAIR &
5 13000 JEFFERSON DAVIS HIGHWAY, SUITE 400
6 CITY: ARLINGTON
7 STATE: VIRGINIA
8 COUNTRY: U.S.A.
9
10 COMPUTER READABLE FORM:
11 MEDIUM TYPE: FLOPPY disk
12 COMPUTER SYSTEM: IBM PC compatible
13 SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
14 CURRENT APPLICATION DATA:
15 APPLICATION NUMBER: 09/08/641,356
16 CLASSIFICATION: 536
17 PRIORITY DATA:
18 APPLICATION NUMBER: US/08/382,184
19 PRIORITY NUMBER: 08/08/382,184
20 ATTORNEY/AGENT INFORMATION:
21 NAME: OHLON, NORMAN F.
22 REFERENCE INFORMATION:
23 TELECOMMUNICATION INFORMATION:
24 TELEPHONE: 703-413-3000
25 FAX: 703-413-3000
26
27 INFORMATION FOR SEQ ID NO. 3:
28 SEQUENCE CHARACTERISTICS:
29 LENGTH: 286 amino acids
30 STANDARDS: acid
31 TOPOLOGY: linear
32 MOLECULE TYPE: peptide
33 ORGANISM: HUMAN
34 US-08-641-356-3
35
36 Query Match: 13.6% Score 78.5; DB 2; Length 286;
37 Blast Local Similarity 18.3%; Pval No. 0.5;
38 Matches 22; Conservative 9; Mismatches 30; Indels 15; Gaps 2;
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40 07 21 PPTPTPTPOLRPN-----SPTTPPAPASPPAAPPPMAOSCSPTPRRGR 71
41 4 PAPPVTTAASPSTAAPAPATVPAPPAAATPMQDCPPAPAPAPAPAPPPV 63
42 72 IV-----LSDVPTG B1
43 DB 64 IAPNAPQVPIWDVWG 79
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45 RESULT 5
46 US-09-132-528-4
47 Sequence 4, Application US/09132528A
48 Patent No. 6221810
49 GENERAL INFORMATION:
50 APPLICANT: LAOUBERGERIE, ANNE
51 APPLICANT: MARCIAL, GILLES
52 APPLICANT: PESSIER, PASCALE
53 TITLE OF INVENTION: MICROBACTERIAL PROTEINS, MICROORGANISMS PRODUCING THEM
54 AND THEIR USES FOR VACCINES AND FOR THE DETECTION OF
55 TUBERCULOSIS
56 CURRENT APPLICATION NUMBER: US/09/132,528A
57 EXAMINER APPLICATION NUMBER: 08/641,356
58 EXAMINER FILING DATE: 1999-08-11
59 NUMBER OF SEQ ID NOS: 5
60 SOFTWARE: Patent In Ver. 2.1
61 SEQ ID NO 4
62 LENGTH: 286
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result 11
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Sequence 2: Application US/09599366
Patent No. 635181
GENERAL INFORMATION:
APPLICANT: MARCHAL, Anne
INVENTOR: MARCHAL, Gilles
APPLICANT: PESCHER, Pascale
TITLE OF INVENTION: TUBERCULOSIS
TITLE OF INVENTION: AND THEIR USE FOR VACCINES AND FOR THE DETECTION OF
CURRENT FILING DATE: 1996-04-30
CURRENT FILING DATE: 2000-06-21
CURRENT FILING DATE: 2000-06-21
PRIOR APPLICATION NUMBER: 09/132,528
PRIOR APPLICATION NUMBER: 09/132,528
PRIOR FILING DATE: 1996-04-30
NUMBER OF SEQ ID NOS: 5
SEQ ID NO 2
LENGTH: 325
TYPE: PAT Mycobacterium tuberculosis
US-09-599-366-2

Query Match
Match 21: Conservatve 13.6%; Score 78.5; DB 4; Length 325;
Matches 22: Conservatve 9; Mismatches 30; Indels 15; Gaps 2;

DB 43 BAPVFTTASRFSAAFRATAPVAPFPFAANFTFMDQDPAAPAPAPAPPV 102
OY 72 IV-----LSDVPG 81
DB 103 IAPNAPVATDVPVQ 118

DB 43 BAPVFTTASRFSAAFRATAPVAPFPFAANFTFMDQDPAAPAPAPPV 102
OY 72 IV-----LSDVPG 81
DB 103 IAPNAPVATDVPVQ 118

result 15
US-09-599-366-3
Sequence 3: Application US/09599366
Patent No. 635181
GENERAL INFORMATION:
APPLICANT: MARCHAL, Anne
INVENTOR: MARCHAL, Gilles
APPLICANT: PESCHER, Pascale
TITLE OF INVENTION: TUBERCULOSIS
TITLE OF INVENTION: AND THEIR USE FOR VACCINES AND FOR THE DETECTION OF
CURRENT FILING DATE: 1996-04-30
CURRENT FILING DATE: 2000-06-21
CURRENT FILING DATE: 2000-06-21
PRIOR APPLICATION NUMBER: 09/132,528
PRIOR APPLICATION NUMBER: 09/132,528
PRIOR FILING DATE: 1996-04-30
NUMBER OF SEQ ID NOS: 5
SEQ ID NO 3
LENGTH: 325
TYPE: PAT Mycobacterium tuberculosis
US-09-599-366-3

Query Match
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Search completed: March 21, 2003, 12:00:19
Job time: 20.0645 secs

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GenCore version 5.1.4-p5-4571
Copyright (c) 1993 - 2003 CompuGen Ltd

OM protein - protein search, using sw mo

Run on: March 21, 2003, 11:56:43 ; Search time 4.43871 Seconds
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401.802 Million cell updates

Title: US-09-082-706-
Perfect score: 200

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Gapop 10.0 , Gapext 0.5

Searched: 112892 seqs, 41476328 r

Total number of hits satisfying chosen parameter

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Minimum DB seq length: 0
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Post-processing: Minimum Match On

Maximum Match 10
Listing first 45

Database : SwissProt_40:*

Pred. No. is the number of results pr

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no	count(*) from t1
yes	count(*) from t2

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180	51.5	25.5	544	1	SNR1_AED1
181	51.5	25.5	544	1	SNR1_AED1
182	51.5	25.5	544	1	SNR1_AED1
183	51.5	25.5	544	1	SNR1_AED1
184	51.5	25.5	544	1	SNR1_AED1
185	51.5	25.5	544	1	SNR1_AED1
186	51.5	25.5	544	1	SNR1_AED1
187	51.5	25.5	544	1	SNR1_AED1
188	51.5	25.5	544	1	SNR1_AED1
189	51.5	25.5	544	1	SNR1_AED1
190	51.5	25.5	544	1	SNR1_AED1
191	51.5	25.5	544	1	SNR1_AED1
192	51.5	25.5	544	1	SNR1_AED1
193	51.5	25.5	544	1	SNR1_AED1
194	51.5	25.5	544	1	SNR1_AED1
195	51.5	25.5	544	1	SNR1_AED1
196	51.5	25.5	544	1	SNR1_AED1
197	51.5	25.5	544	1	SNR1_AED1
198	51.5	25.5	544	1	SNR1_AED1
199	51.5	25.5	544	1	SNR1_AED1
200	51.5	25.5	544	1	SNR1_AED1
201	51.5	25.5	544	1	SNR1_AED1
202	51.5	25.5	544	1	SNR1_AED1
203	51.5	25.5	544	1	SNR1_AED1
204	51.5	25.5	544	1	SNR1_AED1
205	51.5	25.5	544	1	SNR1_AED1
206	51.5	25.5	544	1	SNR1_AED1
207	51.5	25.5	544	1	SNR1_AED1
208	51.5	25.5	544	1	SNR1_AED1
209	51.5	25.5	544	1	SNR1_AED1
210	51.5	25.5	544	1	SNR1_AED1
211	51.5	25.5	544	1	SNR1_AED1
212	51.5	25.5	544	1	SNR1_AED1
213	51.5	25.5	544	1	SNR1_AED1
214	51.5	25.5	544	1	SNR1_AED1
215	51.5	25.5	544	1	SNR1_AED1
216	51.5	25.5	544	1	SNR1_AED1
217	51.5	25.5	544	1	SNR1_AED1
218	51.5	25.5	544	1	SNR1_AED1
219	51.5	25.5	544	1	SNR1_AED1
220	51.5	25.5	544	1	SNR1_AED1
221	51.5	25.5	544	1	SNR1_AED1
222	51.5	25.5	544	1	SNR1_AED1
223	51.5	25.5	544	1	SNR1_AED1
224	51.5	25.5	544	1	SNR1_AED1
225	51.5	25.5	544	1	SNR1_AED1
226	51.5	25.5	544	1	SNR1_AED1
227	51.5	25.5	544	1	SNR1_AED1
228	51.5	25.5	544	1	SNR1_AED1
229					

[illegible]

[illegible]

[illegible]

Search completed: March 21, 2003, 11:58:08
Job time : 5.43871 secs

GenCore version 5.1.4.p5.4578
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OK protein - protein search, using sw model

Run on: March 21, 2003, 11:58:17 : Search time 7.6903 seconds

551,883 Million cell updates/sec

Title: US-09-682-706-3

Perfect score: 200

Sequence: 1 HRSRATLSLDVITLQTL.....AMAAAEQATNTATLAV 43

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searchid: 283224 seqs, 9613422 residues

Total number of hits satisfying chosen parameters: 283224

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: 1: p111.1

2: p111.2

3: p123.1

4: p124.1

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match length	DB ID	Description
1	63	31.5	122 2	6S0262
2	61	30.5	41 1	RHRC6
3	61	30.5	182 2	MA362
4	61	30.5	182 2	MA362
5	61	30.5	182 2	MA362
6	61	30.5	182 2	MA362
7	60	30.0	41 1	D0CC1M
8	59	29.5	122 2	MA362
9	58	29.0	182 2	MA362
10	56.5	28.2	88 1	B6040
11	56.5	28.2	88 1	B6040
12	56.5	28.2	88 1	B6040
13	56.5	28.2	88 1	B6040
14	55	27.5	923 2	GI4597
15	54	27.0	41 1	A4376
16	54	27.0	41 1	A4376
17	53.5	26.8	68 2	T36774
18	53	26.5	79 2	T1E81
19	52.5	26.2	63 2	G7126
20	52.5	26.2	63 2	G7126
21	52.5	26.2	63 2	G7126
22	52	26.0	87 2	A8337
23	52	26.0	87 2	A8337
24	52	26.0	87 2	A8337
25	51.5	25.8	57 2	H7112
26	51.5	25.8	57 2	H7112
27	50.5	25.2	216 2	8B326
28	50.5	25.2	216 2	8B326
29	50.5	25.2	216 2	8B326

ALIGNMENTS

Result 1	Score	Match length	DB ID	Description
1	63	31.5	122 2	6S0262
2	61	30.5	41 1	RHRC6
3	61	30.5	182 2	MA362
4	61	30.5	182 2	MA362
5	61	30.5	182 2	MA362
6	61	30.5	182 2	MA362
7	60	30.0	41 1	D0CC1M
8	59	29.5	122 2	MA362
9	58	29.0	182 2	MA362
10	56.5	28.2	88 1	B6040
11	56.5	28.2	88 1	B6040
12	56.5	28.2	88 1	B6040
13	56.5	28.2	88 1	B6040
14	55	27.5	923 2	GI4597
15	54	27.0	41 1	A4376
16	54	27.0	41 1	A4376
17	53.5	26.8	68 2	T36774
18	53	26.5	79 2	T1E81
19	52.5	26.2	63 2	G7126
20	52.5	26.2	63 2	G7126
21	52.5	26.2	63 2	G7126
22	52	26.0	87 2	A8337
23	52	26.0	87 2	A8337
24	52	26.0	87 2	A8337
25	51.5	25.8	57 2	H7112
26	51.5	25.8	57 2	H7112
27	50.5	25.2	216 2	8B326
28	50.5	25.2	216 2	8B326
29	50.5	25.2	216 2	8B326

Query March	Score	Match length	DB ID	Description
1	63	31.5	122 2	6S0262
2	61	30.5	41 1	RHRC6
3	61	30.5	182 2	MA362
4	61	30.5	182 2	MA362
5	61	30.5	182 2	MA362
6	61	30.5	182 2	MA362
7	60	30.0	41 1	D0CC1M
8	59	29.5	122 2	MA362
9	58	29.0	182 2	MA362
10	56.5	28.2	88 1	B6040
11	56.5	28.2	88 1	B6040
12	56.5	28.2	88 1	B6040
13	56.5	28.2	88 1	B6040
14	55	27.5	923 2	GI4597
15	54	27.0	41 1	A4376
16	54	27.0	41 1	A4376
17	53.5	26.8	68 2	T36774
18	53	26.5	79 2	T1E81
19	52.5	26.2	63 2	G7126
20	52.5	26.2	63 2	G7126
21	52.5	26.2	63 2	G7126
22	52	26.0	87 2	A8337
23	52	26.0	87 2	A8337
24	52	26.0	87 2	A8337
25	51.5	25.8	57 2	H7112
26	51.5	25.8	57 2	H7112
27	50.5	25.2	216 2	8B326
28	50.5	25.2	216 2	8B326
29	50.5	25.2	216 2	8B326

Query March	Score	Match length	DB ID	Description
1	63	31.5	122 2	6S0262
2	61	30.5	41 1	RHRC6
3	61	30.5	182 2	MA362
4	61	30.5	182 2	MA362
5	61	30.5	182 2	MA362
6	61	30.5	182 2	MA362
7	60	30.0	41 1	D0CC1M
8	59	29.5	122 2	MA362
9	58	29.0	182 2	MA362
10	56.5	28.2	88 1	B6040
11	56.5	28.2	88 1	B6040
12	56.5	28.2	88 1	B6040
13	56.5	28.2	88 1	B6040
14	55	27.5	923 2	GI4597
15	54	27.0	41 1	A4376
16	54	27.0	41 1	A4376
17	53.5	26.8	68 2	T36774
18	53	26.5	79 2	T1E81
19	52.5	26.2	63 2	G7126
20	52.5	26.2	63 2	G7126
21	52.5	26.2	63 2	G7126
22	52	26.0	87 2	A8337
23	52	26.0	87 2	A8337
24	52	26.0	87 2	A8337
25	51.5	25.8	57 2	H7112
26	51.5	25.8	57 2	H7112
27	50.5	25.2	216 2	8B326
28	50.5	25.2	216 2	8B326
29	50.5	25.2	216 2	8B326

NA: Note: one intron is in 5' noncoding region

RESULT 2
US-08-104-862-8

? Sequence 8: Application US/08104862

? Patent No. 5439893

? APPLICANT: Kornreich, Wayne D

? APPLICANT: Hernandez, Jean-Francois

? APPLICANT: Alvar, Juan B F

? APPLICANT: Noyes, William J

? TITLE OF INVENTION: CRF Analogs

? NUMBER OF SEQUENCES: 11

? CORRESPONDENCE ADDRESS:

? STREET: 135 South LaSalle Street, Suite 900

? CITY: Chicago

? STATE: Illinois

? ZIP: 60603

? COMPUTER READABLE FORM:

? COMPUTER TYPE: TOPP114K

? OPERATING SYSTEM: PC-DOS/MS-DOS

? SOFTWARE: Patent Release 11.0, Version 41.25

? APPLICATION NUMBER: US/08/104,862

? FILING DATE: 19910810

? CLASSIFICATION: 530

? APPLICATION NUMBER: US 07/09,091

? FILING DATE: 31-MAY-1991

? ATTORNEY/AGENT INFORMATION:

? REGISTRATION NUMBER: 20,856

? TELECOMMUNICATION INFORMATION:

? TELEPHONE: 619-552-0051

? TELEFAX: 619-552-0051

? INFORMATION FOR SEQ ID NO: 8:

? TYPE: amino acid acids

? TOPOLOGY: unknown

? MOLECULE TYPE: peptide

? US-08-104-862-8

? Query Match

? Best Local Similarity 41.2%; Score 65; DB 1; Length 41;

? Matches 16; Conservative 5; Mismatches 11; Indels 0; Gaps 0;

? QY 6 LSTDTFHLTFLLELAKVSGRRERKNNITDSV 39

? RESULT 3

? US-09-981-1898-8

? Sequence 8: Application US/08981898

? Patent No. 6214797

? GENERAL INFORMATION:

? TITLE OF INVENTION: ORCOERTIN PEPTIDES

? NUMBER OF SEQUENCES: 19

? CORRESPONDENCE ADDRESS:

? STREET: 120 S. LaSalle Street, Suite 1600

? CITY: Chicago

? STATE: Illinois

? ZIP: 60603

? COMPUTER READABLE FORM:

? MEDIUM TYPE: Floppy disk

? COMPUTER: IBM PC compatible

? OPERATING SYSTEM: PC-DOS/MS-DOS

? SOFTWARE: Patent Release 11.0, Version 41.30

? APPLICATION NUMBER: US/08/981,1898

? FILING DATE: 10-DEC-1997

? APPLICATION NUMBER: US 60/028,144

? FILING DATE: 13-JUN-1995

? PRIOR APPLICATION DATA: US 60/002,223

? FILING DATE: 11-AUG-1995

? ATTORNEY/AGENT INFORMATION:

? NAME: Schmitt, James D, 865

? REFERENCE/DOCKET NUMBER: 57611

? TELECOMMUNICATION INFORMATION:

? TELEPHONE: 954-552-0211

? INFORMATION FOR SEQ ID NO: 8:

? TYPE: amino acids

? LENGTH: 40 amino acids

? TOPOLOGY: linear

? MOLECULE TYPE: peptide

? US-08-981-1898-8

? Query Match

? Best Local Similarity 44.4%; Score 63; DB 4; Length 40;

? Matches 16; Conservative 6; Mismatches 14; Indels 0; Gaps 0;

? QY 8 LSTDTFHLTFLLELAKVSGRRERKNNITDSV 43

? DB 5 LSTDTFHLTFLLELAKVSGRRERKNNITDSV 40

? RESULT 4

? US-09-400-716-10

? Sequence 10: Application US/09400716

? Patent No. 6319300

? GENERAL INFORMATION:

? APPLICANT: Slominski, Andrzej T.

? TITLE OF INVENTION: INHIBITION OF ABNORMAL CELL GROWTH WITH

? CURRENT APPLICATION NUMBER: US/09/400,716

? CURRENT FILING DATE: 1999-09-21

? NUMBER OF SEQ ID NOS: 12

? SEQ ID NO 10

? LENGTH: 40

? TYPE: pep

? MOLECULE TYPE: peptide

? US-09-400-716-10

? Query Match

? Best Local Similarity 44.4%; Score 63; DB 4; Length 40;

? Matches 16; Conservative 6; Mismatches 14; Indels 0; Gaps 0;

? QY 8 LSTDTFHLTFLLELAKVSGRRERKNNITDSV 43

? DB 5 LSTDTFHLTFLLELAKVSGRRERKNNITDSV 40

? RESULT 5

? US-09-400-716-11

? Sequence 11: Application US/09400716

? Patent No. 6319300

? APPLICANT: Slominski, Andrzej T.

? TITLE OF INVENTION: INHIBITION OF ABNORMAL CELL GROWTH WITH

? CURRENT APPLICATION NUMBER: US/09/400,716

? CURRENT FILING DATE: 1999-09-21

? NUMBER OF SEQ ID NOS: 12

? SEQ ID NO 10

? LENGTH: 40

? TYPE: pep

? MOLECULE TYPE: peptide

? US-09-400-716-10

? Query Match

? Best Local Similarity 44.4%; Score 63; DB 4; Length 40;

? Matches 16; Conservative 6; Mismatches 14; Indels 0; Gaps 0;

? QY 8 LSTDTFHLTFLLELAKVSGRRERKNNITDSV 43

? DB 5 LSTDTFHLTFLLELAKVSGRRERKNNITDSV 40

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/ TITLE OF INVENTION: CORTICOTROPIN-RELEASING HORMONE ANALOGS
/ PATENT NO.: 6214797
/ CURRENT APPLICATION NUMBER: US/09/400,716
/ CURRENT FILING DATE: 1999-09-21
/ NUMBER OF SEQ ID NOS: 12
/ SEQ ID NO 1: Patent In Ver. 2.1
/ LENGTH: 40
/ TYPE: PRT
/ CDS: 1
/ ORGANISM: Human
/ DB: US-09-400-716-11

Query Match
Sequence Similarity 44.4% Pctd No. 0.019; 14; Indels 0; Gaps 0;
Matches 16; Conservative 6; Mismatches 14;

Oy 8 LSIIDVLTLLTLELTAQSGRRARQNTTANILAV 43
DB 5 LSIIDVLTLLTLELTAQSGRRARQNTTANILAV 40

RESULT 6
US-08-981-1898-17
/ Sequence 17: Application US/08981898
/ Patent No.: 6214797
/ GENERAL INFORMATION:
/ APPLICANT:
/ TITLE OF INVENTION: UROCORTIN PEPTIDES
/ NUMBER OF SEQUENCES: 15
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: FITCH, EYAN, TABIN & FLANNERY
/ STREET: 120 S. LaSalle Street, Suite 1600
/ CITY: Chicago
/ STATE: ILLINOIS
/ COUNTRY: USA
/ ZIP: 60603

COMPUTER REANALYSE FORM:
/ REANALYSE TYPE: PRT
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent Release #1.0
/ VERSION #1.30
/ FILING DATE: 10-DEC-1997
/ APPLICATION NUMBER: US/08/981,1898
/ PRIOR APPLICATION DATA:
/ PRIOR APPLICATION NO.: US 60/002,223
/ FILING DATE: 11-JUN-1995
/ APPLICATION NUMBER:
/ APPLICATION DATE:
/ NAME: Schumann, James J.
/ ATTORNEY/AGENT INFORMATION:
/ REGISTRATION NUMBER: 20,856
/ TELEPHONE: 858-552-0095
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 858-552-1311
/ TELEFAX: 858-552-0095
/ INVENTION FOR SEQ ID NO: 15:
/ LENGTH: 124 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ DB: US-08-981-1898-17

Query Match
Sequence Similarity 31.5% Score 63; DB 4; Length 41;
Matches 16; Conservative 6; Mismatches 14; Indels 0; Gaps 0;

Oy 8 LSIIDVLTLLTLELTAQSGRRARQNTTANILAV 43
DB 5 LSIIDVLTLLTLELTAQSGRRARQNTTANILAV 40

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RESULT 7
US-09-260-846-25
/ Sequence 25: Application US/09260846
/ Patent No.: 6214797
/ GENERAL INFORMATION:
/ APPLICANT:
/ TITLE OF INVENTION: UROCORTIN PEPTIDES
/ NUMBER OF SEQUENCES: 19
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: FITCH, EYAN, TABIN & FLANNERY
/ STREET: 120 S. LaSalle Street, Suite 1600
/ CITY: Chicago
/ STATE: ILLINOIS
/ COUNTRY: USA
/ ZIP: 60603

COMPUTER REANALYSE FORM:
/ REANALYSE TYPE: PRT
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent Release #1.0
/ VERSION #1.30
/ FILING DATE: 10-DEC-1997
/ APPLICATION NUMBER: US 60/002,223
/ PRIOR APPLICATION DATA:
/ PRIOR APPLICATION NO.: US 60/002,223
/ FILING DATE: 11-JUN-1995
/ APPLICATION NUMBER:
/ APPLICATION DATE:
/ NAME: Schumann, James J.
/ ATTORNEY/AGENT INFORMATION:
/ REGISTRATION NUMBER: 20,856
/ TELEPHONE: 858-552-0095
/ TELEFAX: 858-552-1311
/ INVENTION FOR SEQ ID NO: 15:
/ LENGTH: 124 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: procein
/ DB: US-08-981-1898-15

Query Match
Sequence Similarity 44.4% Pctd No. 0.019; 14; Indels 0; Gaps 0;
Matches 16; Conservative 6; Mismatches 14;

Oy 8 LSIIDVLTLLTLELTAQSGRRARQNTTANILAV 43
DB 8 LSIIDVLTLLTLELTAQSGRRARQNTTANILAV 122

RESULT 8
US-09-260-846-25
/ Sequence 25: Application US/09260846
/ Patent No.: 6214797
/ GENERAL INFORMATION:
/ APPLICANT:
/ TITLE OF INVENTION: UROCORTIN PEPTIDES
/ NUMBER OF SEQUENCES: 19
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: FITCH, EYAN, TABIN & FLANNERY
/ STREET: 120 S. LaSalle Street, Suite 1600
/ CITY: Chicago
/ STATE: ILLINOIS
/ COUNTRY: USA
/ ZIP: 60603

COMPUTER REANALYSE FORM:
/ REANALYSE TYPE: PRT
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent Release #1.0
/ VERSION #1.30
/ FILING DATE: 10-DEC-1997
/ APPLICATION NUMBER: US 60/002,223
/ PRIOR APPLICATION DATA:
/ PRIOR APPLICATION NO.: US 60/002,223
/ FILING DATE: 11-JUN-1995
/ APPLICATION NUMBER:
/ APPLICATION DATE:
/ NAME: Schumann, James J.
/ ATTORNEY/AGENT INFORMATION:
/ REGISTRATION NUMBER: 20,856
/ TELEPHONE: 858-552-0095
/ TELEFAX: 858-552-1311
/ INVENTION FOR SEQ ID NO: 15:
/ LENGTH: 124 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: procein
/ DB: US-08-981-1898-15

Query Match
Sequence Similarity 44.4% Pctd No. 0.019; 14; Indels 0; Gaps 0;
Matches 16; Conservative 6; Mismatches 14;

Oy 8 LSIIDVLTLLTLELTAQSGRRARQNTTANILAV 43
DB 8 LSIIDVLTLLTLELTAQSGRRARQNTTANILAV 122

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PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/709,091
 FILING DATE: 30-MAR-1991
 BEST LOCAL SIMILARITY: 39.4%; PRED. NO. 0.037;
 MISMATCHES 13: Conservative 9; Mismatches 11; Indels 0; Gaps 0;
 NAME: Schumann, James J.
 REGISTRATION NUMBER: 20,856
 TELEPHONE: 619-552-0095
 TELEFAX: 619-552-1311
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS: 41 amino acids
 LENGTH: 41 amino acids
 TYPE: amino acid
 MOLECULE TYPE: unknown
 TOPOLGTYPE: peptide

Query Match 30.5% Score 61; DB 1; Length 41;
 Best Local Similarity 39.4%; Pred. No. 0.037;
 Mismatches 13: Conservative 9; Mismatches 11; Indels 0;
 Gaps 0;
 DB 6 ISLDTFLLLEVLVIRNARQDLQAGNSRKLK 38

RESULT 12
 US-08-162-178-2
 Sequence 2, Application US/08162178
 GENERAL INFORMATION:
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent Release #1.0, Version #1.30
 APPLICATION NUMBER: US/08/480,756
 FILING DATE: 14-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/715,752
 FILING DATE: 14-JUN-1991
 BEST LOCAL SIMILARITY: 30.5%; PRED. NO. 0.037;
 MISMATCHES 13: Conservative 9; Mismatches 11; Indels 0; Gaps 0;
 NAME: Schumann, James J.
 REGISTRATION NUMBER: 20,856
 TELEPHONE: 619-552-1311
 TELEFAX: 619-552-0095
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS: 41 amino acids
 LENGTH: 41 amino acids
 TYPE: amino acid
 MOLECULE TYPE: unknown
 TOPOLGTYPE: peptide

Query Match 30.5% Score 61; DB 1; Length 41;
 Best Local Similarity 39.4%; Pred. No. 0.037;
 Mismatches 13: Conservative 9; Mismatches 11; Indels 0;
 Gaps 0;
 DB 6 ISLDTFLLLEVLVIRNARQDLQAGNSRKLK 38

RESULT 13
 US-08-162-178-2
 Sequence 2, Application US/08162178
 GENERAL INFORMATION:
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent Release #1.0, Version #1.30
 APPLICATION NUMBER: US/08/480,756
 FILING DATE: 14-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/715,752
 FILING DATE: 14-JUN-1991
 BEST LOCAL SIMILARITY: 30.5%; PRED. NO. 0.037;
 MISMATCHES 13: Conservative 9; Mismatches 11; Indels 0; Gaps 0;
 NAME: Schumann, James J.
 REGISTRATION NUMBER: 20,856
 TELEPHONE: 619-552-1311
 TELEFAX: 619-552-0095
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS: 41 amino acids
 LENGTH: 41 amino acids
 TYPE: amino acid
 MOLECULE TYPE: unknown
 TOPOLGTYPE: peptide

Query Match 30.5% Score 61; DB 1; Length 41;
 Best Local Similarity 39.4%; Pred. No. 0.037;
 Mismatches 13: Conservative 9; Mismatches 11; Indels 0;
 Gaps 0;
 DB 6 ISLDTFLLLEVLVIRNARQDLQAGNSRKLK 38

RESULT 14
 US-08-683-773-2

